

PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 1

**Complete if Known**

Application Number	09/944,487
Filing Date	August 30, 2001
First Named Inventor	Cloud et al.
Group Art Unit	2814
Examiner Name	D. Farahani
Attorney Docket Number	2269-4296.1US (00-0054.01/US)

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
DF		US-3,777,221	12/04/1973	Tatusko et al.	
		US- 5,014,161	05/07/1991	Lee et al.	
		US- 5,559,444	09/24/1998	Farnworth et al.	
		US- 6,549,821 B1	04/15/2003	Farnworth et al.	
		US- 5,561,328	10/01/1998	Massingill et al.	
		US- 5,773,320	06/30/1998	Bayerer	
DE		US- 2003/0111727 A1	06/19/2003	Kurusu	
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Group Art Unit	2814
				Examiner Name	D. Farahani
Sheet	1	of	2	Attorney Docket Number	2269-4296.1US (00-0054.01/US)

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		Number - Kind Code <sup>2</sup> (if known)			
D.F.		US-5,532,519	07/02/1996	Bertin et al.	
		US- 6,251,488 B1	06/26/2001	Miller et al.	
		US- 6,259,962 B1	07/10/2001	Gothait	
		US- 6,268,584 B1	07/31/2001	Keicher et al.	
		US- 6,391,251 B1	05/21/2002	Keicher et al.	
		US- 8,524,346 B1	02/25/2003	Farnworth	
		US- 2002/0171177 A1	11/21/2002	Kritchman et al.	
		US- 2003/0102568 A1	06/05/2003	Farnworth	
		US- 2003/0151167 A1	08/14/2003	Kritchman et al.	
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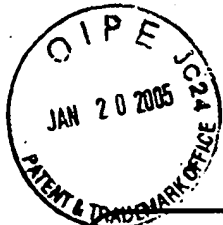
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Examiner Signature		Date Considered	4/14/05
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 2

**Complete if Known**

Application Number	09/944,487
Filing Date	August 30, 2001
First Named Inventor	Cloud et al.
Group Art Unit	2814
Examiner Name	D. Farahani
Attorney Docket Number	2269-4296 IUS (00-0054 01/US)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
DF		MILLER et al., "Maskless Mesoscale Materials Deposition", Deposition Technology, September 2001, pages 20 22.	
DF		MILLER, "New Laser Directed Deposition Technology", Microelectronic Fabrication, August 2001, page 16.	
DF		Webpage, Objet Prototyping the Future, "Objet FullCure 700 Series", 2 pages.	
DF		Webpage, Objet Prototyping the Future, "How it Works", 2 pages.	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

1

**Attorney Docket Number**

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Application Number

09/944,487

Filing Date

August 30, 2001

**First Named Inventor**

Cloud et al.

**Group Art Unit**

2814

**Examiner Name**

D. Farahani

Attorney Docket Number

2269-4296.1 US (00-0054.01/US)

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Date \_\_\_\_\_

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